

**TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A FILING UNDER 35 U.S.C. 371**

44-243P

U.S. APPLICATION NO. (If known, see 37 CFR 1.5)

09/582705

INTERNATIONAL APPLICATION NO.

INTERNATIONAL FILING DATE

PRIORITY DATE CLAIMED

PCT/JP00/06064

October 29, 1999

October 30, 1998

TITLE OF INVENTION

WOUND ADHESIVE TAPE

526 Rec'd PCT/PTO 30 JUN 2000

APPLICANT(S) FOR DO/EO/US

YOSHIMURA< Shinji; SUITSU, Daisuke

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.
2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.
3. ☒ This express request to begin national examination procedures (35 U.S.C. 371(f)) at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39 (1).
4. ☐ A proper Demand for International Preliminary Examination was made by the 19th month from the earliest claimed priority date
5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))
 - a. ☐ is transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☒ has been transmitted by the International Bureau.
 - c. ☐ is not required, as the application was filed in the United States Receiving Office (RO/US).
6. ☒ A translation of the International Application into English (35 U.S.C. 371(c)(3)).
7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(2)).
 - a. ☐ are transmitted herewith (required only if not transmitted by the International Bureau).
 - b. ☐ have been transmitted by the International Bureau.
 - c. ☐ have not been made; however, the time limit for making such amendments has NOT expired.
 - d. ☒ have not been made and will not be made.
8. ☐ A translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).
9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).
10. ☐ A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11. to 16. below concern document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.-1449 and International Search Report (PCT/ISA/210)
12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.
13. ☒ A **FIRST** preliminary amendment.
☐ A **SECOND** or **SUBSEQUENT** preliminary amendment.
14. ☐ A substitute specification.
15. ☐ A change of power of attorney and/or address letter.
16. ☒ Other items or information:
 - 1.) Small Entity Statement
 - 2.) One (1) sheet of Formal Drawings

09/582705

PCT/JP99/06064

44-243P

17. ☒ The following fees are submitted:**BASIC NATIONAL FEE (37 CFR 1.492(a)(1)-(5):**

Neither international preliminary examination fee (37 CFR 1.482)
nor international search fee (37 CFR 1.445(a)(2)) paid to USPTO
and International Search Report not prepared by the EPO or JPO. **\$970.00**

International preliminary examination fee (37 CFR 1.482) not paid to
USPTO but International Search Report prepared by the EPO or JPO **\$840.00**

International preliminary examination fee (37 CFR 1.482) not paid to USPTO
but international search fee (37 CFR 1.445(a)(2)) paid to USPTO. **\$690.00**

International preliminary examination fee (37 CFR 1.482) paid to USPTO
but all claims did not satisfy provisions of PCT Article 33(1)-(4). **\$670.00**

International preliminary examination fee (37 CFR 1.482) paid to USPTO
and all claims satisfied provisions of PCT Article 33(1)-(4). **\$96.00**

ENTER APPROPRIATE BASIC FEE AMOUNT =

Surcharge of **\$130.00** for furnishing the oath or declaration later than ☐ 20 ☐ 30
months from the earliest claimed priority date (37 CFR 1.492(e)).

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE		
Total Claims	3 - 20 =	0	X \$18.00	\$	0
Independent Claims	1 - 3 =	0	X \$78.00	\$	0
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			None	+ \$260.00	\$ 0
TOTAL OF ABOVE CALCULATIONS =				\$	840.00
Reduction of 1/2 for filing by small entity, if applicable. Verified Small Entity statement must also be filed (Note 37 CFR 1.9, 1.27, 1.28).				\$	-420.00
SUBTOTAL =				\$	420.00
Processing fee of \$130.00 for furnishing the English translation later than <input type="checkbox"/> 20 <input type="checkbox"/> 30 months from the earliest claimed priority date (37 CFR 1.492(f)).				\$	0
TOTAL NATIONAL FEE =				\$	420.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property +				\$	40.00
TOTAL FEES ENCLOSED =				\$	460.00
				Amount to be: refunded	\$
				charged	\$

a. ☒ A check in the amount of \$ **460.00** to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account. No. _____ in the amount of \$ _____ to cover the above fees.
A duplicate copy of this sheet is enclosed.

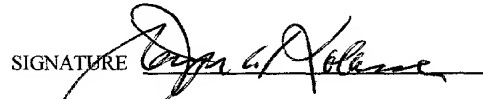
c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any
overpayment to Deposit Account No. 02-2448.

NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.

Send all correspondence to:

Birch, Stewart, Kolasch & Birch, LLP or Customer No. 2292
P.O. Box 747
Falls Church, VA 22040-0747
(703)205-8000

SIGNATURE



KOLASCH, JOSEPH A.
NAME

#22,463 (JAK)
REGISTRATION NUMBER

/cqc June 30, 2000

09/582705

532 Rec'd PCT/PTO 30 JUN 2000

PATENT
44-243P

IN THE U.S. PATENT AND TRADEMARK OFFICE

Applicant: YOSHIMURA, Shinji et al.
Int'l. Appl. No.: PCT/JP99/06064
Appl. No.: New Group:
Filed: June 30, 2000 Examiner:
For: WOUND ADHESIVE TAPE

PRELIMINARY AMENDMENT

BOX PATENT APPLICATION

Assistant Commissioner for Patents
Washington, DC 20231

June 30, 2000

Sir:

The following Preliminary Amendments and Remarks are respectfully submitted in connection with the above-identified application.

AMENDMENTS

IN THE SPECIFICATION:

Please amend the specification as follows:

Before line 1, insert --This application is the national phase under 35 U.S.C. § 371 of PCT International Application No. PCT/JP99/06064 which has an International filing date of October 29, 1999, which designated the United States of America.--

REMARKS

The specification has been amended to provide a cross-reference to the previously filed International Application.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. § 1.16 or under 37 C.F.R. § 1.17; particularly, extension of time fees.

Respectfully submitted,

BIRCH, STEWART, KOLASCH & BIRCH, LLP

By 
Joseph A. Kolasch, #22,463

P.O. Box 747
Falls Church, VA 22040-0747
(703) 205-8000

JAK/cqc
44-243P

(Rev. 04/19/2000)

DESCRIPTION

WOUND ADHESIVE TAPE5 TECHNICAL FIELD

The present invention relates to an adhesive tape and, in particular, to a wound adhesive tape which is convenient for carrying and using and is excellent in a storage efficiency and a transport efficiency.

10

BACKGROUND ART

Conventionally, an adhesive tape is wound around a ring like core made of paper or plastic and is formed like a doughnut and is then packaged with a packaging material and is supplied to a market.

However, such an adhesive tape formed like a doughnut has a large cylindrical space inside itself and hence is not convenient for carrying and is low in storage efficiency and a transport efficiency in terms of thickness and size to thereby present problems in these points.

For this reason, in order to solve these problems, a wound adhesive tape characterized in that an adhesive tape is wound around the outer peripheral surface of a ring like core formed in "a nearly flat shape" and having a relatively thin thickness with an adhesive surface inside is disclosed in Japanese Utility Model Laid- Open No. 51-148383, Japanese Utility Model Laid- Open No. 4- 123233, and USP No. 5269421. Here, a phrase of "a nearly flat shape" means a shape formed when a cylindrical body is crushed in the direction perpendicular to the axis of the cylinder body.

A core made of paper, plastic, or metal and formed in a nearly flat shape is used as the above mentioned wound adhesive tape. The core needs to have some degree of strength because an adhesive tape is wound around its outer peripheral surface with an adhesive surface inside usually more than 5 m. Accordingly, the core needs to be manufactured into a strong ring like body formed in a

nearly flat shape with the above mentioned material having a thickness of 1 mm or more, which results in increasing a manufacturing cost and the price of the wound adhesive tape.

5 Also, the wound adhesive tape presents a problem in usability that it is difficult to rewind the wound adhesive tape because the core formed in a nearly flat shape is stiff and the space inside the core is too narrow for a finger to be inserted.

10 It is the object of the present invention to solve the problems that the above conventional technologies have and to provide at a low price a wound adhesive tape which is convenient for carrying and using and is excellent in a storage efficiency and a transport efficiency.

15

DISCLOSURE OF INVENTION

20 The present invention solves the above mentioned problems, as claimed in claim 1, by a wound adhesive tape comprising a ring like body made of a sheet like material having a thickness of 10 μ m to 100 μ m and formed in a nearly flat shape, and an adhesive tape wound around the outer peripheral surface of the ring like body with an adhesive surface inside.

25 Further, the present invention solves the above mentioned problems, as claimed in claim 2, by a wound adhesive tape in which the above mentioned sheet like material is a material using at least one of a paper sheet, a plastic film, or a metal foil.

30 Still further, the present invention solves the above mentioned problems, as claimed in claim 3, by a wound adhesive tape in which the ring like body formed in a nearly flat shape has something printed on the inner peripheral surface thereof.

35 BRIEF DESCRIPTION OF DRAWINGS

FIG. 1 is a perspective view showing the constitution of a wound adhesive tape in accordance with the present invention.

FIG. 2 is a perspective view showing a state in a

process of manufacturing a wound adhesive tape in accordance with the present invention.

BEST MODE FOR CARRYING OUT THE INVENTION

5 FIG. 1 is a perspective view showing the constitution of a wound adhesive tape in accordance with the present invention. In FIG. 1, a reference number 2 designates a ring like body formed in a nearly flat shape, the ring like body being made by forming a printed paper in a ring with the printed surface of the printed paper inside and
10 with parts of the printed paper overlaid on each other. An adhesive tape 1 is wound around the outer peripheral surface of the printed paper formed in such a shape with an adhesive surface inside to thereby constitute a wound
15 adhesive tape 4 in accordance with the present invention.

A method of manufacturing a wound adhesive tape in accordance with the present invention will be specifically described with reference to the following specific embodiment.

20 (Preferred Embodiment)

FIG. 2 is a perspective view showing a state in a process of manufacturing a wound adhesive tape in accordance with the present invention.

A printed paper having the name of a maker or the like on one surface thereof and having a thickness of 70 μ
25 m was wound around the outer peripheral surface of a ring-like core 3 made of a plastic plate having a width of 50 mm, a length of 80 mm, and a thickness of 2 mm and formed in a nearly flat shape with the printed surface inside and
30 with parts of the printed paper overlaid on each other to thereby constitute a ring-like body 2 formed in a nearly flat shape. Further, around the outer peripheral surface of the ring like body 2 formed in a nearly flat shape was wound an adhesive tape 1 having a length of 5 m with an
35 adhesive surface inside. Then, the above ring like core 3 is removed to make a wound adhesive tape 4 (see FIG. 1).

While a printed paper having a thickness of 70 μ m was wound around the outer peripheral surface of the ring like core 3 to make the ring like body 2 in the present

preferred embodiment, it is preferable that a sheet like material wound around the outer peripheral surface of the ring like core 3 is a paper sheet, a plastic film, or a metal foil having a thickness of 10 μm to 100 μm . Also, it is recommended that a laminate of these materials be used. If the thickness of the sheet like material is smaller than 10 μm , the mechanical strength of the sheet like material is not sufficient and if the thickness of the sheet like material is larger than 100 μm , the stiffness of the sheet like material becomes high, which makes it difficult to wind the sheet like material around the ring like core 3.

A wound adhesive tape 4 in accordance with the present invention, as shown in FIG. 1, does not have the above mentioned ring like core 3 and comprises an adhesive tape 1 directly wound around the outer peripheral surface of the ring like body 2 made of the above mentioned printed paper. Therefore, the wound adhesive tape 4 in accordance with the present invention is manufactured at a low cost and is easy to rewind and is excellent in usability because when the wound adhesive tape 4 is rewound, the ring like body 2 made of the printed paper is flexible and is easily deformed and hence a finger can be inserted inside the ring like body 2 by deforming the ring like body 2.

Further, the wound adhesive tape 4 in accordance with the present invention is made of a printed paper wound with the printed surface inside and hence the name of a maker or the like can be printed thereon.

Still further, the wound adhesive tape 4 in accordance with the present invention, as shown in FIG. 1, is small in size and is formed in a nearly flat shape like a nearly rectangular plate and, therefore, is convenient for carrying and is also excellent in a storage efficiency and a transport efficiency.

INDUSTRIAL APPLICABILITY

As described up to this point, putting the present invention into practice makes it possible to provide at a

low price a wound adhesive tape which is convenient for carrying and using and is excellent in a storage efficiency and a transport efficiency.

5

CLAIMS

1. A wound adhesive tape comprising a ring like body made
of a sheet like material having a thickness of 10 μm to
5 100 μm and formed in a nearly flat shape, and an adhesive
tape wound around the outer peripheral surface of the ring
like body with an adhesive surface inside.
2. A wound adhesive tape as claimed in claim 1, wherein
10 the sheet like material is a material using at least one
of a paper sheet, a plastic film, or a metal foil.
3. A wound adhesive tape as claimed in claim 1, wherein
the ring like body formed in a nearly flat shape has
15 something printed on the inner peripheral surface thereof.

ABSTRACT

The present invention relates to a wound adhesive tape convenient for carrying and using and provides a
5 wound adhesive tape (4) which comprises a nearly flat-shaped ring like body (2) made of a sheet like material using at least one of a paper sheet, a plastic film, or a metal foil and having a thickness of 10 μm to 100 μm and an adhesive tape (1) wound around the outer peripheral
10 surface of the ring like body (2) formed in a nearly flat shape with an adhesive surface inside and which is convenient for carrying and using and is excellent in a storage efficiency and in a transport efficiency.

FIG. 1

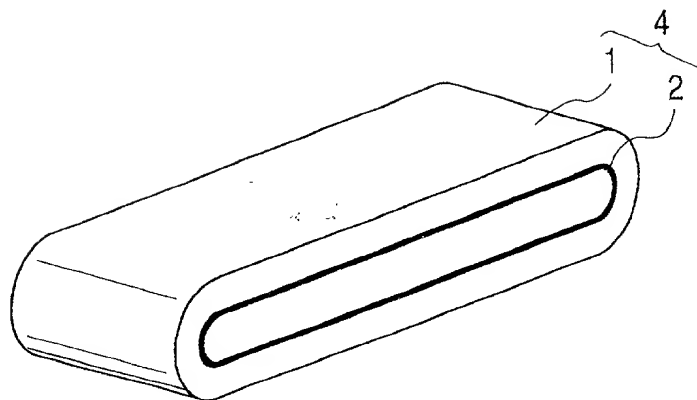
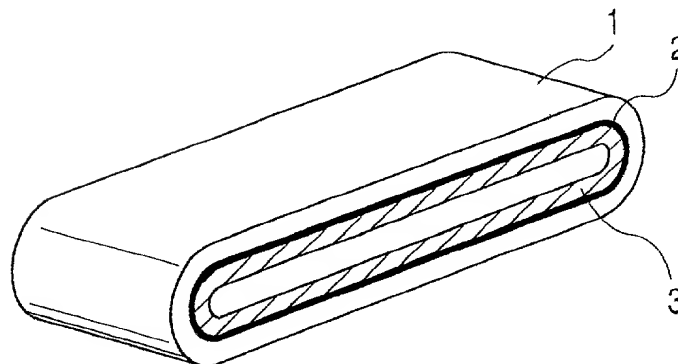


FIG. 2



Applicant or Patentee: YOSHIMURA, Shinji et al.

Attorney's

Docket No.:

44-243P

Serial or Patent No.: New

Filed or Issued: June 30, 2000

For: WOUND ADHESIVE TAPE

VERIFIED STATEMENT (DECLARATION) CLAIMING SMALL ENTITY STATUS
(37 CFR 1.9(f) and 1.27(c)) — SMALL BUSINESS CONCERN

I hereby declare that I am

- () the owner of the small business concern identified below:
(☒) an official of the small business concern empowered to act on behalf of the concern identified below:

NAME OF CONCERN SLIONTEC CORPORATION

ADDRESS OF CONCERN 3819, Noborito, Tama-ku, Kawasaki-shi,
KANAGAWA 214-0014 JAPAN

I hereby declare that the above identified small business concern qualifies as a small business concern as defined in 13 CFR 121.3-18, and reproduced in 37 CFR 1.9(d), for purposes of paying reduced fees under section 41(a) and (b) of Title 35, United States Code, in that the number of employees of the concern, including those of its affiliates, does not exceed 500 persons. For purposes of this statement, (1) the number of employees of the business concern is the average over the previous fiscal year of the concern of the persons employed on a full-time, part-time or temporary basis during each of the pay periods of the fiscal year, and (2) concerns are affiliates of each other when either, directly or indirectly, one concern controls or has the power to control the other, or a third party or parties controls or has the power to control both.

I hereby declare that rights under contract or law have been conveyed to and remain with the small business concern identified above with regard to the invention, entitled

WOUND ADHESIVE TAPE

by inventor(s)

Shinji YOSHIMURA and Daisuke SUITSU

described in

(☒) the specification filed herewith

() application serial no. _____, filed _____

() patent no. _____, issued _____

If the rights held by the above identified small business concern are not exclusive, each individual, concern or organization having rights to the invention is listed below* and no rights to the invention are held by any person, other than the inventor, who could not qualify as a small business concern under 37 CFR 1.9(d) or by any concern which would not qualify as a small business concern under 37 CFR 1.9(d) or a nonprofit organization under 37 CFR 1.9(e). *NOTE: Separate verified statements are required from each person, concern or organization having rights to the invention averring to their status as small entities. (37 CFR 1.27)

NAME _____

ADDRESS _____

() INDIVIDUAL () SMALL BUSINESS CONCERN () NONPROFIT ORGANIZATION

NAME _____

ADDRESS _____

() INDIVIDUAL () SMALL BUSINESS CONCERN () NONPROFIT ORGANIZATION

I acknowledge the duty to file, in this application or patent, notification of any change in status resulting in loss of entitlement to small entity status prior to paying, or at the time of paying, the earliest of the issue fee or any maintenance fee due after the date on which status as a small entity is no longer appropriate. (37 CFR 1.28(b))

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application, any patent issuing thereon, or any patent to which this verified statement is directed.

NAME OF PERSON SIGNING Tadayoshi KOJIMA

TITLE OF PERSON OTHER THAN OWNER President

ADDRESS OF PERSON SIGNING c/o SLIONTEC CORPORATION, 3819, Noborito,
Tama-ku, Kawasaki-shi, KANAGAWA JAPAN

SIGNATURE

Tadayoshi Kojima

DATE 5th Jun 2000

BIRCH, STEWART, KOLASCH & BIRCH, LLP

P.O. Box 747 • Falls Church, Virginia 22040-0747
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

ATTORNEY DOCKET NO.
44-243P

PLEASE NOTE:
YOU MUST
COMPLETE THE
FOLLOWING:



COMBINED DECLARATION AND POWER OF ATTORNEY FOR PATENT AND DESIGN APPLICATIONS

As a below named inventor, I hereby declare that: my residence, post office address and citizenship are as stated next to my name; that I verily believe that I am the original, first and sole inventor (if only one inventor is named below) or an original, first and joint inventor (if plural inventors are named below) of the subject matter which is claimed and for which a patent is sought on the invention entitled:

Insert Title: →

WOUND ADHESIVE TAPE

Fill in Appropriate
Information —
For Use →
Without
Specification
Attached:

the specification of which is attached hereto. If not attached hereto.

the specification was filed on _____ as
United States Application Number _____;
and amended on _____ (if applicable); and/or
the specification was filed on _____ as PCT
International Application Number _____; and was
amended under PCT Article 19 on _____ (if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56.

I do not know and do not believe the same was ever known or used in the United States of America before my or our invention thereof, or patented or described in any printed publication in any country before my or our invention thereof or more than one year prior to this application, that the same was not in public use or on sale in the United States of America more than one year prior to this application, that the invention has not been patented or made the subject of an inventor's certificate issued before the date of this application in any country foreign to the United States of America on an application filed by me or my legal representatives or assigns more than twelve months (six months for designs) prior to this application, and that no application for patent or inventor's certificate on this invention has been filed in any country foreign to the United States of America prior to this application by me or my legal representatives or assigns, except as follows.

I hereby claim foreign priority benefits under Title 35, United States Code, §119 (a)-(d) of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed:

Prior Foreign Application(s)

Priority Claimed

Insert Priority
Information: →
(if appropriate)

10-310101	JAPAN	October 30, 1998	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month / Day / Year Filed)		
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month / Day / Year Filed)		
			<input type="checkbox"/> Yes	<input type="checkbox"/> No
(Number)	(Country)	(Month / Day / Year Filed)		
			<input type="checkbox"/> Yes	<input type="checkbox"/> No

Insert Provisional
Application(s): →
(if any)

I hereby claim the benefit under Title 35, United States Code, §119(e) of any United States provisional application(s) listed below.

	(Application Number)	(Filing Date)
	(Application Number)	(Filing Date)

All Foreign Applications, if any, for any Patent or Inventor's Certificate Filed More than 12 Months (6 Months for Designs) Prior to the Filing Date of This Application:

Insert Requested
Information: →
(if appropriate)

Country	Application Number	Date of Filing (Month / Day / Year)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States and/or PCT application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States and/or PCT application in the manner provided by the first paragraph of Title 35, United States Code, §112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, §1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

Insert Prior U.S.
Application(s): →
(if any)

	(Application Number)	(Filing Date)	(Status — patented, pending, abandoned)
	(Application Number)	(Filing Date)	(Status — patented, pending, abandoned)

I hereby appoint the following attorneys to prosecute this application and/or an international application based on this application and to transact all business in the Patent and Trademark Office connected therewith and in connection with the resulting patent based on instructions received from the entity who first sent the application papers to the attorneys identified below, unless the inventor(s) or assignee provides said attorneys with a written notice to the contrary:

Raymond C. Stewart (Reg. No. <u>21,066</u>)	Terrell C. Birch (Reg. No. <u>19,382</u>)
Joseph A. Kolasch (Reg. No. <u>22,463</u>)	James M. Slattery (Reg. No. <u>28,380</u>)
Bernard L. Sweeney (Reg. No. <u>24,448</u>)	Michael K. Mutter (Reg. No. <u>29,680</u>)
Charles Gorenstein (Reg. No. <u>29,271</u>)	Gerald M. Murphy, Jr. (Reg. No. <u>28,977</u>)
Leonard R. Svensson (Reg. No. <u>30,330</u>)	Terry L. Clark (Reg. No. <u>32,644</u>)
Andrew D. Meikle (Reg. No. <u>32,868</u>)	Marc S. Weiner (Reg. No. <u>32,181</u>)
Joe McKinney Muncy (Reg. No. <u>32,334</u>)	C. Joseph Faraci (Reg. No. <u>32,350</u>)
Donald J. Daley (Reg. No. <u>34,313</u>)	John W. Bailey (Reg. No. <u>32,881</u>)
John A. Castellano (Reg. No. <u>35,094</u>)	

Send Correspondence to: **BIRCH, STEWART, KOLASCH & BIRCH, LLP**
P.O. Box 747 • Falls Church, Virginia 22040-0747
Telephone: (703) 205-8000 • Facsimile: (703) 205-8050

**PLEASE NOTE:
YOU MUST
COMPLETE
THE
FOLLOWING:**

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full Name of First or
Sole Inventor
Insert Name of
Inventor
Insert Date This
Document is Signed

Insert Residence
Insert Citizenship

Insert Post Office
Address

Full Name of Second
Inventor, if any
see above

Full Name of Third
Inventor, if any
see above

Full Name of Fourth
Inventor, if any
see above

Full Name of Fifth
Inventor, if any
see above

GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE	DATE*
Shinji	YOSHIMURA	Shinji Yoshimura	29 May 2000
Residence (City, State & Country)		CITIZENSHIP	
Kawasaki-shi, KANAGAWA 214-0014 JAPAN		JPX JAPAN	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			
c/o SLIONTEC CORPORATION, 3819, Noborito, Tama-ku Kawasaki-shi, KANAGAWA 214-0014 JAPAN			
GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE	DATE*
Daisuke	SUITSU	Daisuke Suitsu	29 May 2000
Residence (City, State & Country)		CITIZENSHIP	
Kawasaki-shi, KANAGAWA 214-0014 JAPAN		JPX JAPAN	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			
c/o SLIONTEC CORPORATION, 3819, Noborito, Tama-ku Kawasaki-shi, KANAGAWA 214-0014 JAPAN			
GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			
GIVEN NAME	FAMILY NAME	INVENTOR'S SIGNATURE	DATE*
Residence (City, State & Country)		CITIZENSHIP	
POST OFFICE ADDRESS (Complete Street Address including City, State & Country)			